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THE
PLOTTER
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CLACKAMAS COUNTY AREA T/S
USERS GROUP
NEWSLETTER
****
VOLUME 3   **   NUMBER 10
******
OCTOBER 1985
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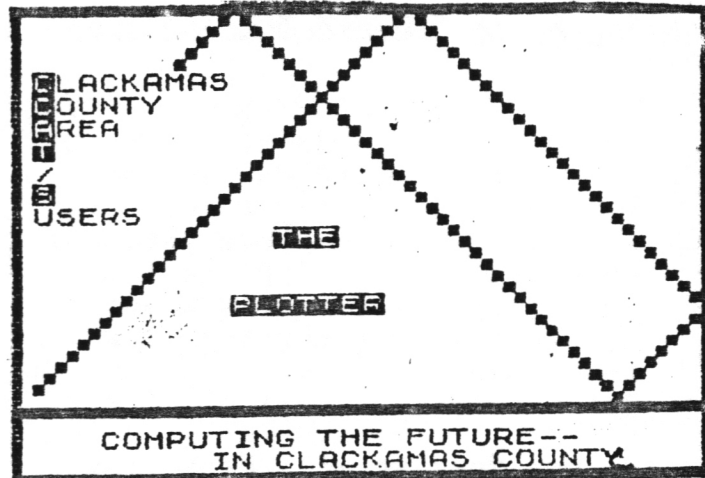## MEETING
The OCTOBER meeting will be:

on: THUR., OCTOBER 3, 1985
at: 7:30 P. M.
in: COMMUNITY ROOM
    FAR WEST FEDERAL S&L
    OREGON CITY SHOPPING CTR

##############################
WHAT YOU WILL FIND IN THIS ISSUE-

COMPUTING THE FUTURE--
IN CLACKAMAS COUNTY

ELECTION NOTICE

THE END OF THE YEAR IS ONLY 3
MONTHS AWAY AND THAT MEANS THE
TIME IS RAPIDLY APPROACHING WHEN
YOU WILL EXERCISE YOUR MEMBER-
SHIP RIGHTS AND VOTE FOR NEW
OFFICERS TO LEAD OUR GROUP. IF
YOU WANT A CHOICE, BE AT THE
OCTOBER AND NOVEMBER MEETINGS TO
NOMINATE MEMBERS FOR OFFICE. IF
YOU DO NOT PARTICIPATE, YOU FOR-
FEIT THE RIGHT TO VOICE YOUR
OPINIONS.

THE ELECTION WILL AGAIN BE DONE
WITH MAIL IN BALLOTS TO HELP
THOSE OF YOU WHO CAN'T MAKE IT
TO THE DECEMBER MEETING.

SECRETAR'S SECRETS

The SEPTEMBER meeting was held
on SEPTEMBER 5, 1985, at the ab-
ove location. Our Chairman, DICK
WAGNER, called the meeting to
order at 8:00 PM. As there were
again not enough members present
to make a majority, it was de-
cided to have a question and
answer session after the Treas-
urers Report. As usual, there
were a lot of questions. Some
came from newer members, and
some from older ones. There were
13 people present.

Dennis Jurries had his AERCO DD
I/F to demo. Dick Wagner had his
modular 1000 system there. It
was not quite complete yet, but
he will have it conplete soon.
There was other software and
hardware to see and try. There
is always a good supply from RMG
Enterprises, as well as others.

I hope that we will be seeing
more of our members at the meet-
ings now that summer is about
over. We sure have missed you!

FROM THE EDITOR'S DESK

With all the rain that has come
to us since the beginning of
September, I find it hard to
beleive that summer is not
officiolly over yet! I do knoe
that I have spent a lot more
time on the old T/S this past
month. That for two reasons: 1)
I do not like to do outside
activities in the rain, and 2) I
have been laid off from my full
time job. This is no great hard-
ship (yet!) but I would rather
be working. I have however, not
been wasting my time. I have
spent many extra hours at the
keyboard. For the most part it
has been Writing. Writing this
newsletter, writing articles for
other newsletters, and writing
for mysekf. I hope that the
improvement is evident, other-
wise I may think that I have
been wasting my time.

I'm not going to get the soapbox
out this month. Only a comment:
I enjoy doing this newsletter,
but doing most of it myself (the
writing, for the most part, has
been done by 3 or 4 of our
members) for the past 3 years
has been a bit much. I hope to
see more input from within and
from without our membership.

FROM THE CHAIRMAN'S COMPUTER
by: DICK WAGNER

Attendance at meetings has not
been so good this summer. I had
hoped that interest would be
stimulated by the opportunity to
hear about and see some of the
latest in TS equipment and sup-
plies. I guess that meeting time
may be a problem now that school
has begun. We will be discussing
this at the upcoming meeting. If
you will not be at the meeting,
please call Rod Gowen at 655-
7484. We did quite good when we
met on second Fridays. Some
members may recall that the
first Thursday was chosen be-
cause several members could not
attend on Fridays. Those same
members have been conspicuous by
their poor attendence. If the
meeting room is available, I
would like to go back to the old
schedule. This should attract
more younger members again.

BITS & BYTES

October is here, here is Sept-
embers' news-

KNIGHTED COMPUTER-has cut a lot
of prices. Some of the Quick-
silva software has been dropped
to as low as $8.50. The new
NIGHT GUNNER-was $19.95, now is
$16.95. If you are interested in
any Quicksilva or Digital SW,
call your local dealer, RMG
ENTERPRISES, for new prices.

TIME DESIGNS MAGAZINE-is celeb-
rating 1 year in publication.
Lets all wish TIM WOODS many
more years with TDM. Keep up the
great work, Tim!

T-S HORIZONS-is a little late with issue # 15. However, don't count them out. According to Richard Duncan, the editor of TSH, # 15 will be in the mail by the 19th of September. If you subscribe, you should have your copy by the time you read this. Let's all continue to support this and all other TS dedicated magazines. We can't afford to be without them.

PORTUGUESE DISK DRIVES-are now being sold by two companies. Zebra Systems and English Micro Connection. Zebra calls it the Zebra Disk Drive System and EMC calls theirs the EMC Portuguese Disk Drive System. They are both selling the 3" disks as well. EMC is also selling the 2068 computer from Portugal. Zebra has so far not taken on the computer.

ZEBRA SYSTEMS & SUNSET ELECT-RONICS-are both advertising a "Back By Popular Demand" sale of the ZX81 Computer Kits(Complete) for only $49.95.

A & J MICRODRIVE-has announced that it is going back to version 1 of the model 2000 drive. That is the one that takes the larger wafer. The same wafer as the Damco machine. Jim Howell, owner of A & J, said that his decision to return to version 1 was based on the fact that Entrepo, the maker of the wafers and drive mechanisms for version 1, are now in a more stable position financially. That was his main reason for going to version 2. He was worried about losing the supply of wafers if Entrepo went under. He has also put an extra 2 feet on his printer cable, making it 6 feet long. He said that if someone wanted a longer cable, it would have to be spec-ially made and would cost around $35 for a 10 foot cable.

SINCLAIR RESEARCH-has not been sold out after all. According to reports, Sir Clive is still in charge and thanks to a huge ord-er from a large department store chain in England (#20 million over a period of time) the comp-any may pull through. With the US market about to be hit with a big ad campaign, the company may yet make a comeback. Lets hope so, Sir Clive has given us all a lot to thank him for.

EXTENDED PROBLEM

by: DICK WAGNER

Extended cables on the 2040 printer may run into problems when used with a TS 1000 comp-uter equiped with a large key-board.

The first sumptoms of a problem showed up when I connected my extended cable printer to the 1000/Cricket House Keyboard. All keys worked fine except the Shifted S, D, F and G. There was no action at all on these keys.

My first idea was to reduce the signal coupling between wires in the round shielded 3' cable. A new 13 wire flat cable was in-stalled with a ground wire bet-ween each signal wire. This was an improvement, bringing all keys to life except the Shifted S.

The next step was to try a dif-ferent KB resistor for KB0. Cricket House supplies a set of 5 resistors about of 56K OHMS to parallel the regular 10K KB resistors. I found that a 1.5K resistor at KB0, which is the Shift key resistor, did the trick. Now I am able to use the large keyboard connected to the 1000 computer with an 18" cable and the 2040 with a 3' cable.

MICROWAFER
DIRECTORY/INDEX
SYSTEM
by: Rod Gowen

This program was designed for use by anyone who uses a micro drive and would like an organized index. Others may want to use it as a model to design an indexing system for disk or even cassette.

The first program is the wafer directory. With it you will be able to list up to 45 wafers by number and title. After the main menu has LOADed, you can add, edit or LOAD an index for a particular wafer.

The second program is the individual index, to be used for each wafer in the directory. After this one has been LOADed you can add or change, SAVE or go back to the main menu to select another index. This program will be used for all wafers.

If you are not one who wants to or enjoys typing in your own programs, I will make available, a copy of both of these programs on your choice of wafer types for the modest sum of $7.50, including the wafer.

First, type in the main menu program, make sure it runs, and SAVE it on your wafer. Then, type in the individual wafer index, check it for errors and SAVE it right after the main menu on the wafer. Save the index as many times as you have wafers to index, up to 45.

Now, to set it up and get it running. LOAD the main menu, BREAK into basic and LIST 32. Follow the instructions there to add names to the existing numbers of the directory. You must then SAVE the completed directory onto a fresh wafer.

Next, LOAD the index program and type in "A/C" to add the names of the files or programs on the wafer. Be sure to change the wafer number in LINE 60, and the SAVE "@#," in LINE 170 for each wafer you set up. If you are not used to SAVEing more than 9 files on a wafer, just open your users' manual to the CHARACTER SET appendix and use the symbols that come after 9 to SAVE each file past 9. That is, :, ; etc.

I hope that these programs prove useful to you. If you have any trouble with the LISTings or operation of them, just write or call and I will be glad to help you.

```
WAFER INDEX DIRECTORY

 1)records  16)   PPP   31)   555
 2)recipes  17)   qqq   32)   666
 3)books    18)   rrr   33)   777
 4)tapes    19)   sss   34)   888
 5)games    20)   ttt   35)   999
 6)videos   21)   uuu   36)   AAA
 7)   999   22)   vvv   37)   BBB
 8)   hhh   23)   www   38)   CCC
 9)   iii   24)   xxx   39)   DDD
10)   jjj   25)   yyy   40)   EEE
11)   kkk   26)   zzz   41)   FFF
12)   lll   27)   111   42)   GGG
13)   mmm   28)   222   43)   HHH
14)   nnn   29)   333   44)   III
15)   ooo   30)   444   45)   JJJ

----------------------------------
 ENTER # OF WAFER INDEX TO LIST
```

```
 5 REM
10 REM
15 REM main menu
20 BEEP VAL ".4",VAL "10": POK
E VAL "23658",VAL "8"
25 CLS : PRINT INVERSE VAL "1"
;"*****************************
**"; INVERSE VAL "0"
30 PRINT INVERSE VAL "1";"****
"; INVERSE VAL "0";"  WAFER INDE
X DIRECTORY "; INVERSE VAL "1";"
****";AT VAL "2",VAL "0";"******
*****************************"; INV
ERSE VAL "0"
32 REM
```

```
35 PRINT AT VAL "4",VAL "0";"
1)records 16)   PPP   31)   555  "
40 PRINT " 2)recipes 17)   qqq
32)   666  "
45 PRINT " 3)books   18)   rrr
33)   777  "
```

```
  50 PRINT " 4)tapes    19)  sss
34)   888    "
  55 PRINT " 5)games    20)  ttt
35)   999    "
  60 PRINT " 6)videos   21)  uuu
36)   AAA    "
  65 PRINT " 7)  ggg    22)  vvv
37)   BBB    "
  70 PRINT " 8)  hhh    23)  www
38)   CCC    "
  75 PRINT " 9)  iii    24)  xxx
39)   DDD    "
  80 PRINT "10)  jjj    25)  yyy
40)   EEE    "
  85 PRINT "11)  kkk    26)  zzz
41)   FFF    "
  90 PRINT "12)  lll    27)  111
42)   GGG    "
  95 PRINT "13)  mmm    28)  222
43)   HHH    "
 100 PRINT "14)  nnn    29)  333
44)   III    "
 105 PRINT "15)  ooo    30)  444
45)   JJJ    "
 110 PRINT AT VAL "20",VAL "0";
INK VAL "7"; PAPER VAL "2";"----
-------------------------------"
 115 PRINT AT VAL "21",VAL "1";"
ENTER # OF WAFER INDEX TO LIST"
 120 INPUT A$
 125 IF A$="" THEN GO TO 25
 130 IF VAL A$<VAL "1" OR VAL A$
>VAL "45" THEN GO TO VAL "25"
 140 LET A$="@"+A$
 145 LOAD A$
9999 SAVE "@1,menu" LINE 20: VER
IFY "@menu": GO TO VAL "25"
```



```
1)                16)
2)                17)
3)                18)
4)                19)
5)                20)
6)                21)
7)                22)
8)                23)
9)                24)
10)               25
11)               26)
12)               27)
13)               28)
14)               29)
15)               30)
\\\\\\\\\\\\\\\\\‡‡//////////////
‡ENTER "A/C" - EDIT ‡"S" - SAVE‡
  ‡ FOR ANOTHER, ENTER "FWD" ‡
```

```
  10 REM ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
  20 REM ▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
  25 POKE VAL "23658",VAL "8": B
EEP VAL ".4",VAL "10": INK VAL "
6": PAPER VAL "1": BORDER VAL "1
"
  30 CLS : PRINT INVERSE VAL "1"
;"‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡
‡‡"; INVERSE VAL "0"
  40 PRINT INVERSE VAL "1";"‡‡‡‡
"; INVERSE VAL "0";TAB VAL "28";
INVERSE VAL "1";"‡‡‡‡"; INVERSE
VAL "0"
  50 PRINT INVERSE VAL "1";"‡‡‡‡
‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡‡"; I
NVERSE VAL "0"
```

```
  55 REM
▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓▓
  58 LET N$="2,1"
  60 PRINT AT VAL "1",VAL "6";"W
AFER #  1 DIRECTORY"
  65 PRINT AT VAL "3",VAL "0";"
1)                16)           "
  70 PRINT " 2)                17)
"
  75 PRINT " 3)                18)
"
  80 PRINT " 4)                19)
"
  85 PRINT " 5)                20)
"
  90 PRINT " 6)                21)
"
  95 PRINT " 7)                22)
"
 100 PRINT " 8)                23)
"
 105 PRINT " 9)                24)
"
 110 PRINT "10)                25
"
 115 PRINT "11)                26)
"
 120 PRINT "12)                27)
"
 125 PRINT "13)                28)
"
 130 PRINT "14)                29)
"
 135 PRINT "15)                30)
"
 140 PRINT INK VAL "6"; PAPER VA
L "2";"\\\\\\\\\\\\\\\\\‡‡////////
////////"
 145 PRINT "‡ENTER ""A/C"" - EDI
T ‡""S"" - SAVE‡"
 150 PRINT "  ‡ FOR ANOTHER, ENT
ER ""FWD"" ‡"
 155 INPUT A$
 160 IF A$="A/C" THEN LIST 55: S
TOP
 165 IF A$="FWD" THEN LOAD "@men
u"
 170 IF A$="S" THEN SAVE "@"+N$
LINE 1: VERIFY "@"+N$(3 TO ): GO
TO VAL "25"
 180 IF A$<>"A/C" OR A$<>"FWD" O
R A$<>"S" THEN CLS : GO TO VAL "
25"
```

In case anyone has any trouble
making out the characters in
Inverse on the program listing,
here are those lines:

  Listing # 1:
  5 REM wafer index directory
 10 REM (copyright symbol)1985
        RMG SOFTWARE
 32 REM

        TYPE IN THE NAMES OR
        CODES FOR EACH OF UP
        TO 45 WAFERS. WHEN
        FINISHED, GO TO 20

```
Listing # 2:
 5 same as Listing # 1
10 same as Listing # 1
55 REM
   * INSERT WAFER NUMBER *
   ENTER NUMBERS IN LINE 58
   FILL IN BLANKS WITH TITLES
   OF WAFERS IF DESIRED.
```
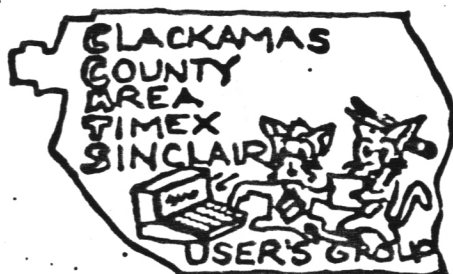
TS COMPUTER REPAIRS
by: DICK WAGNER

Some of the readers were aware
of my equipment failure with my
2068 computer. It's lucky that I
have a 1000 with a Cricket House
Keyboard and a word processor
program to fall back on.

The failure was my own fault. I
connected a peripheral with a
defective IC chip. This effect-
ively fried all 6 of the ROM IC
chips in the 2068.

A month ago I shipped the comp-
uter to TS Connection in Cincin-
nati, Ohio. I requested an esti-
mate of cost and time to repair
the unit. After waiting a month
for an answer, I wrote again,
including a copy of the UPS
shipping form and my phone num-
ber. I received a call shortly
after writing. TIM CARVER of TS
Connection, explained that a
letter had been mailed, giving
information. As I had not ans-
wered, he had attempted to reach
me by phone, using my address.

The good news was that it was
repairable, and, on receipt of
my check, repairs and shipment
would be made that day.

MORAL?- Give all of the inform-
ation possible with the unit so
that the firm can contact you if
they wish to furnish the best
possible service.

COMMENTS ON COMPUSERVE
Rod Gowen
CIS# 70436,1542

CIS: That stands for COMPUSERVE
INFORMATION SERVICE. The defin-
ition is for those of you not
familiar with the service.

I am, in this column, going to
let all of you know what the
pulse of T/S world is doing out-
side of our own local area. I
hope that it will help you in
some small way.

Back for a second column, I hope
that someone got some good out
of the first column. I have been
back on the system during the
past month. I have to say that
it would be nice to see more or
our local people on CIS, but it
may be that they do not have the
time or inclination to spend the
time or the money for the ser-
vice.

As was the case last time, over
80% of the news on the TIMEX
FORUM was concerning Disk Drive
systems. A few of the users have
the TIMEX DD from PORTUGAL. They
are also using 3" drives as well
as other sizes. One of the nice
things about looking in on the
service is the ability to get in
on some good deals that someone
else digs up and passes along.
One of the deals that came up
was a dual disk 3" drive with
cabinet and power supply from
Amdek III for only $125+ s&h.
They will work on almost any
Shugart compatible system inc-
luding the TIMEX DD.

DID YOU KNOW?

We've gone International!
With the help of TIME DESIGNS
MAGAZINE our group has received
correspondence from G.U.T.S..
That is the Mexican National
Sinclair User Group. They are in
TLAXPANA, MEXICO. They are going
to subscribe to THE PLOTTER. We
hope that they enjoy what we
have to offer.

There is always a lot of soft-
ware being discussed. The people
on CIS are always coming up with
improvements to existing program
listings as well as writing new
and original software for use
with our machines. They are
doing a lot in the way of set-
ing up BBS systems. Several of
the people on the service are
the same ones who came up with
improvements fot the modem soft-
ware for the 2050 and the Byte-,
Back. They are even now talking
about how to use the Radio Shack
modem that has been on sale. One
man, ED GREY, in the Los Angeles
area has successfully set up a
BBS using the 2068 and 2050 with
his own software.

There was a bit of a question as
to whether T-S HORIZONS was ever
going to put out a #15. Jack
Roberts of TS Connection in Cin-
cinnati, called them and they
told him that #15 would be in
the mail by the 18th of Sept. We
who have subscriptions should
have them by the time you read
this.

I will say that if all you want
to do is look into the TIMEX
FORUM, I think that the service
would, to me at least, not be
worth the $6/hr online time
charge plus the $.50/hr sur-
charge. If however, you make use
of a few of the several hundred
other services availible, then I
believe the cost to be worth
every cent of the cost.

As there are so many services
offered on CIS, I am, with this
issue, going to print a portion
of the CIS INDEX each month,
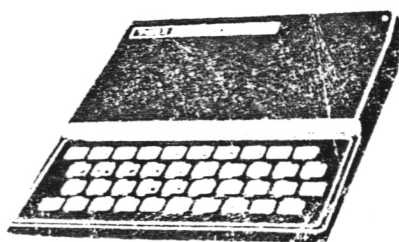starting with the A's. Here is
the first installment:

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More on CIS next time.

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